



ASAIHL THAILAND
สมาคมสถาบันการศึกษาชั้นสูง
แห่งภูมิภาคเอเชียตะวันออกเฉียงใต้



CUPT
ที่ประชุมอธิการบดีแห่งประเทศไทย
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Open Educational Practices Enabling Life-Long Learning for All

Gerry Hanley, Ph.D.

Executive Director of MERLOT and SkillsCommons

Director of the CSULB Center for Usability in Design
and Accessibility



cupthailand



www.asaihlth.in.th

#AOWC2020

COVID-19 has changed the lives of billions of people.

Education is one of the most powerful social and economic change agents to help us respond to COVID-19.

**How do we enable
billions of people to be
educators and educated?**

With Reliable Internet Access

- **Provide free & open access to teaching and learning materials– OER: Open Educational Resources.**
 - etextbooks, tutorials, presentations, animations, simulations, workshops, and more
- **Provide free & open access to effective practices to teach and learn (the “know-how”) – OEP: Open Educational Practices.**
 - Descriptions and explanations of how you implemented the design, delivery, and assessment of education

SmartSearch

What Is SmartSearch?

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MERLOT Collection



Browse by Discipline



Add a Material



Create a Material



Create a Course
ePortfolio

www.merlot.org



Finding & Using OER

- **MERLOT (www.merlot.org) provides you access to just about every free and open teaching resource available.**
 - 90,000 resources with high level of curation in MERLOT collection
 - Over 1 million resources in over 70 other open libraries
 - Millions of resources on the web via special Google app
- **MERLOT is open to the world community to share their materials to the library – the world's public library catalog.**
 - All academic disciplines to various degrees
 - Usable in over 70 languages with Google Translator

SKILLS COMMONS

Your FREE and OPEN digital library of Workforce Training Materials

Preparing the Workforce for 21st Century Employment.



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COVID-19 Response: Get FREE and OPEN Learning Materials for [Hygiene](#) | [Workplace Safety](#) | [Infection Control](#).



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www.skillscommons.org



Finding & Using Workforce OER

- **SkillsCommons (www.skillscommons.org) provides free and open workforce training materials.**
 - 50,000 resources in manufacturing, healthcare, information technology, energy & sustainability, facilities and business operations, agriculture, construction, oil & gas operations, and more
 - High level of curation of both instructional materials and program support materials
 - You can download, reuse, revise, remix, redistribute, and retain and can leverage the \$1.9 Billion investment by the U.S. Department of Labor
- **SkillsCommons is open to the world community to share their materials to the library.**

Content without Practices Goes Nowhere

- **How do I move my teaching online?**
- **How do I teach with free & open etextbooks?**
- **How do I redesign my teaching & curriculum so more students succeed?**

**Explore our new free and open portal for
Open Educational Practices**

Open Education Practices: Sharing Through ePortfolios

To advance [open educational practices \(OEP\)](#), [MERLOT](#) and [SkillsCommons](#) have designed this OEP portal to enable easy discovery and sharing of free, open, and exemplary collections of ePortfolios along with tools, templates, and guidelines that showcases open practices in higher education.



Moving Online



Course Redesign with Technology



Affordable Learning



Career & Technical Education



Virtual Labs



Quality Assurance

Moving Online



Teaching and Learning Online

Home Teaching Online Learning Online Career & Technical Education Accessibility Free Online Ed Services Free Commercial Tech About



Preparing Teachers & Students for Online Learning

In response to the recent developments due to **COVID19**, [SkillsCommons](#) and [MERLOT](#) have created this FREE online resource to help both Teachers and Students prepare to start teaching and learning online.

Free Teaching and Learning Online Materials

Teaching Online



Learning Online



Career/Technical Ed Resources



OER Portal you can have for free to reuse, remix, revise, redistribute, and retain.

Free and Open from MERLOT-SkillsCommons

Moving Online-OEP has been adopted & remixed by many



New Hampshire Tech Alliance



Motlow State Community College



Dillard University



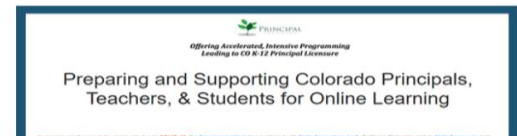
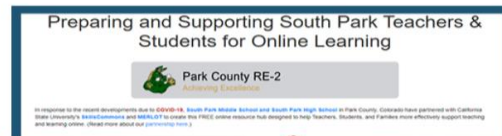
Xavier University of Louisiana



Tennessee State University





Bethune-Cookman University



Strategies for Teaching with OER has been adopted & remixed by many

- Explore over 100 open educational practices in ePortfolios

Chantal Lamourelle, Ph.D. from Santa Ana College
eTextbook: Attachment Through the Life Course by R. Fraley

Course Description:
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, from conception through adolescence. Using developmental theories & research methodologies, course emphasis will be on typical and atypical development, maturational processes & environmental factors.

Quote
"My main motivation to adopt an open textbook was to reduce the textbook cost for my students."

Virginia Moran from Yuba College
eTextbook: Chapters from Concepts of Biology from OpenStax College




Course Description:
Ecology studies the interaction and interdependence among living organisms in their environment. The course presents fundamental scientific principles in examining how natural ecosystems function and how human actions affect natural ecosystems. Emphasis is placed on the role of science in determining causes and in contributing solutions to local and global environmental problems.

Quote
"Many of my students are low income and being able to access free quality online textbooks is going to help them immensely."

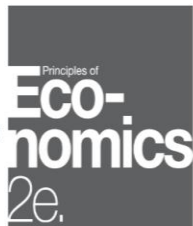
[Learn How I Use This Open Textbook in My Course](#)

About the Textbook

Principles of Economics 2e

Description:

Principles of Economics covers the scope and sequence for a two-semester principles of economics course. The text also includes many current examples, including; discussions on the great recession, the controversy among economists over the



About the Course

ECON 100: The Economic Way of Thinking

Description:

Introduction to economic analysis. Topics covered include microeconomic theory and application and macroeconomic theory and policy. Also, an in-depth study of into selected topics and current events.



Textbook Adoption

OER Adoption Process

Because most of my students come from low-income families, I wanted to help save them money on the textbook. My department chair recommended the textbook to me. The faculty at my institution are adopting a policy of using e-textbooks in introductory and principles of economics courses.

The textbook comes with an excellent test

San Marcos

Course Description:

A survey of the development and the changing historical interpretation of institutions and society in the United States from the end of Reconstruction to the present. Special attention to the interplay between races and cultural diversity and conflict.

Quote

"Quite a few students complimented the online textbook for being clear and easy to read. Some explicitly said that it was easier to understand than a regular textbook, and students were also happy to have the text accessible at any time from computers and other electronic devices, without having to carry around a heavy book."

[Learn How I Use This Open Textbook in My Course](#)

Redesigning Courses–OEP has been adopted & remixed by many

- Explore over 700 open educational practices in ePortfolios

Course Redesign with Technology

Strategies for Student and Faculty Success



Coherent Statistics with Flipped Instruction

Ji Son, Assistant Professor, Psychology Department

CSU Los Angeles

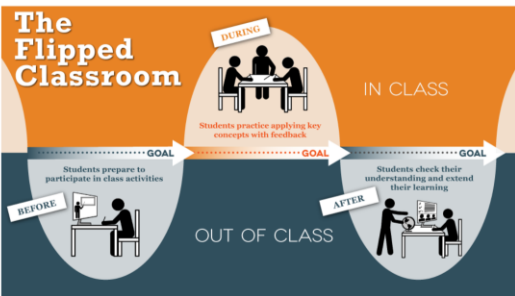
- Because of the flipped classroom, more face-to-face time can be devoted to activities that require on-campus computers that have the requisite software (e.g., SPSS).

Diversity

- The pedagogical strategies employed here promote students working together as a diverse community of scholars. Students are encouraged to use multiple representations (e.g., diagrams, gestures, words, equations) and multiple ways of explaining in order to communicate these abstract ideas about statistics.
- The class is designed for students with a wide range of algebra skills.

About the Course and the Students

Stage 1

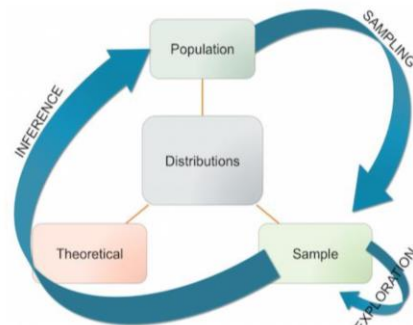


From the Center for Teaching and Learning at UT Austin

Background on the Redesign

Why Redesign Your Course?

- Students come into this statistics course with little experience in quantitative reasoning about data. Also, they come in with much emotional baggage regarding their past experiences with mathematics. Thus, with much trepidation and



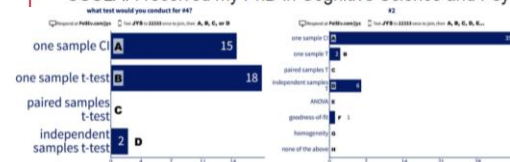
Teaching and Learning Resources

The above graphic is the "distribution triad" used to create coherence across the many topics covered in an inferential statistics course.

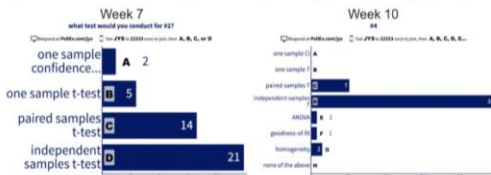
Check out our freely available materials (in a format importable into campus LMS where questions are embedded into LMS: <http://coursecraft.org>; word doc format for students to fill out with pencil-and-paper: <https://sites.google.com/view/statteach>). Dr. Son also has done research and professional development for

About Me

- I am a recently tenured professor at CSULA and enjoy teaching statistics and cognitive science. I am interested in helping students gain skills and perspectives that will continue on with CSULA. I received my PhD in Cognitive Science and Psychology at Indiana University.

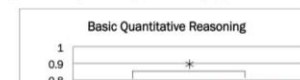


The next two graphs below illustrate students' responses to situations where the most apt statistical analysis was independent samples t-test. Even though they have covered many more statistical tests by Week 10 and thus had many more possible choices, students have improved in being able to apply this analysis appropriately.



Basic Quantitative Reasoning

Even though this quantitative reasoning test had no statistics content, nor did the course cover these topics explicitly, students improved on average about 7% ($SD = 13\%$), a statistically significant increase, $t(47) = 3.57, p = .001$.



Career & Technical Education-OEP has been adopted & remixed by many



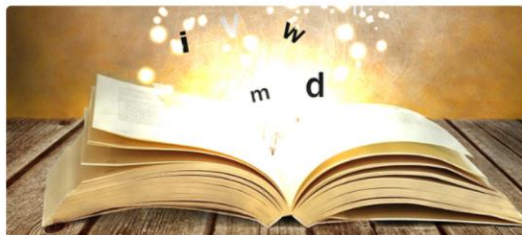
Aligning Workforce Development Programs with Industry Sector Needs



Strengthening Student Support Services to Improve Student & Worker Outcomes



Programmatic and Pedagogical Innovations to Improve Student Outcomes

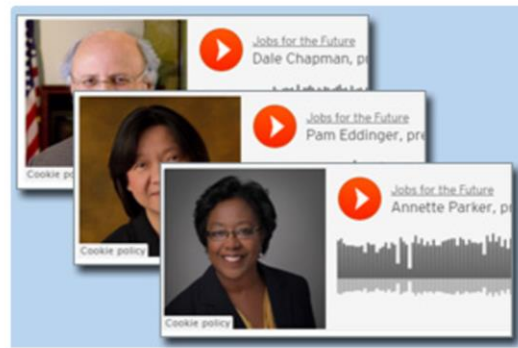


Story Telling: Effectively Communicating the Impact of CTE Programs

Learn how to turn your dry reports into communications that will engage your



Workbased-Learning & Apprenticeship Projects: Sharing Program Strategies and Successes



Campus Presidents' Showcase

In this podcast series, community college presidents discuss the impact

Where do you find OER & OEP?


www.merlot.org

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Pedagogy



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Virtual Labs



In Conclusion

- **Transforming education** must occur so billions can not only learn to live in their changed ecosystems but **have more opportunities to thrive**.
- **Every stage of life for everyone** has been changed with COVID-19 so education must serve life-long needs.
- **Using OEP and OER to empower all to teach and learn is a path to scale life-long and life-sustaining learning.**

Invitation to Action!

- **Use OER and OEP** to empower people to become better educators and educated!
- **We can do better by growing the collections of OER and OEP** so all have greater access to humanity's knowledge and skills.
- **Invite people to share their knowledge, skills, and wisdom for the betterment of humanity.**
 - Use MERLOT and SkillsCommons if it helps but share any way that works for others.



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Thank you! Stay Well!

gerry.hanley@csulb.edu

OER Libraries

www.merlot.org

www.skillscommons.org

OEP Portal

http://teachingcommons.cdl.edu/eport_portal/index.html

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